

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

PTO Draftpersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent Examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review to the Drawing Review Branch, 703-305-8404.

The drawings filed (insert date) 11/13/92 are
 A. not objected to by the Draftsperson under 37 CFR 1.84 or 1.152.
 B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this Notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:

Black ink. Color.

Not black solid lines. Fig(s) _____
 Color drawings are not acceptable until petition is granted.

2. PHOTOGRAPHS. 37 CFR 1.84(b)

Photographs are not acceptable until petition is granted.

3. GRAPHIC FORMS. 37 CFR 1.84 (d)

Chemical or mathematical formula not labeled as separate figure.

Fig(s) _____

Group of waveforms not presented as a single figure, using common vertical axis with time extending along horizontal axis.

Fig(s) _____

Individuals waveform not identified with a separate letter designation adjacent to the vertical axis. Fig(s) _____

4. TYPE OF PAPER. 37 CFR 1.84(c)

Paper not flexible, strong, white, smooth, nonshiny, and durable.

Sheet(s) _____

Erasures, alterations, overwritings, interlineations, cracks, creases, and folds not allowed. Sheet(s) _____

5. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable paper sizes:

21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)

21.6 cm. by 33.1 cm. (8 1/2 by 13 inches)

21.6 cm. by 27.9 cm. (8 1/2 by 11 inches)

21.0 cm. by 29.7 cm. (DIN size A4)

All drawing sheets not the same size. Sheet(s) _____

Drawing sheet not an acceptable size. Sheet(s) _____

6. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Paper size

| | | | |
|---------------------|---------------------|---------------------|-------------------|
| 21.6 cm. X 35.6 cm. | 21.6 cm. X 33.1 cm. | 21 cm. X 27.9 cm. | 21 cm. X 29.7 cm. |
| (8 1/2 X 14 inches) | (8 1/2 X 13 inches) | (8 1/2 X 11 inches) | (DIN Size A4) |
| T 5.1 cm. (2") | 2.5 cm. (1") | 2.5 cm. (1") | 2.5cm. |
| L .64 cm. (1/4") | .64 cm. (1/4") | .64 cm. (1/4") | 2.5 cm. |
| R .64 cm. (1/4") | .64 cm. (1/4") | .64 cm. (1/4") | 1.5 cm. |
| B .64 cm. (1/4") | .64 cm. (1/4") | .64 cm. (1/4") | 1.0 cm. |

Margins do not conform to chart above.

Sheet(s) _____

Top (T) Left (L) Right (R) Bottom (B)

7. VIEWS. 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes.

All views not grouped together. Fig(s) _____

Views connected by projection lines. Fig(s) _____

Views contain center lines. Fig(s) _____

Partial views. 37 CFR 1.84(h)(2)

Separate sheets not linked edge to edge.

Fig(s) _____

View and enlarged view not labeled separately.

Fig(s) _____

Long view relationship between different parts not clear and unambiguous. 37 CFR 1.84(h)(2)(ii)

Fig(s) _____

Sectional views. 37 CFR 1.84(h)(3)

Hatching not indicated for sectional portions of an object.

Fig(s) _____

Hatching of regularly spaced oblique parallel lines not spaced sufficiently. Fig(s) _____

Hatching not at substantial angle to surrounding axes or principal lines. Fig(s) _____

Cross section not drawn same as view with parts in cross section with regularly spaced parallel oblique strokes.

Fig(s) _____

Hatching of juxtaposed different elements not angled in a different way. Fig(s) _____

Alternate position. 37 CFR 1.84(h)(4)

A separate view required for a viewed position.

Fig(s) _____

ATTACHMENT TO PAPER NO. _____

Modified forms. 37 CFR 1.84(h)(5)
 Modified forms of construction must be shown in separate views.
 Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

View placed upon another view or within outline of another.

Fig(s) _____

Words do not appear in a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(k)

Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.

Fig(s) _____

Indication such as "actual size" or "scale 1/2" not permitted.

Fig(s) _____

Elements of same view not in proportion to each other.

Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)

Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (except for color drawings).

Fig(s) 10 _____

11. SHADING. 37 CFR 1.84(m)

Shading used for other than shape of spherical, cylindrical, and conical elements of an object, or for flat parts.

Fig(s) _____

Solid black shading areas not permitted. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)

Numbers and reference characters not plain and legible. 37 CFR 1.84(p)(1) Fig(s) 10 _____

Numbers and reference characters used in conjunction with brackets, inverted commas, or enclosed within outlines. 37 CFR 1.84(p)(1) Fig(s) _____

Numbers and reference characters not oriented in same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____

English alphabet not used. 37 CFR 1.84(p)(2)

Fig(s) _____

Numbers, letters, and reference characters do not measure at least .32 cm. (1/8 inch) in height. 37 CFR(p)(3)

Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)

Lead lines cross each other. Fig(s) _____

Lead lines missing. Fig(s) _____

Lead lines not as short as possible. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)

Number appears in top margin. Fig(s) _____

Number not larger than reference characters.

Fig(s) _____

Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s) _____

15. NUMBER OF VIEWS. 37 CFR 1.84(u)

Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

View numbers not preceded by the abbreviation Fig.

Fig(s) _____

Single view contains a view number and the abbreviation Fig.

Numbers not larger than reference characters.

Fig(s) _____

16. CORRECTIONS. 37 CFR 1.84(w)

Corrections not durable and permanent. Fig(s) _____

17. DESIGN DRAWING. 37 CFR 1.152

Surface shading shown not appropriate. Fig(s) _____

Solid black shading not used for color contrast.

Fig(s) _____

REVIEWER WJS

DATE 4/22/94

Fig legends poor (Fig 1-10)